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|  | <p>Dr Bhaskar Jyoti Medhi</p> <p>Chemical Engineering Teacher (On contract)</p> | <p>Mobile No: +91 8011977078 Email: bmedhi@rgipt.ac.in m.bhaskarjyoti@gmail.com</p> |
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Education

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| PhD (Chemical Engineering) | 2019 | Indian Institute of Technology (IIT) Guwahati |
| M Tech (Energy Technology) | 2012 | Tezpur University |
| BE (Chemical Engineering) | 2005 | Gauhati University |

Experience

9th August 2018 to till date: Teacher, Rajiv Gandhi Institute of Petroleum Technology, Assam Centre

27th July 2016 to 3rd August 2018 : Co-Founder & Director, Susconnect Private Limited

20th August 2008 to 28th July 2010: Assistant Project Engineer, Indian Institute of Technology (IIT) Guwahati

13th February 2008 to 16th August 2008: Engineer (Manufacturing), Haldia Petrochemicals Limited

27th September 2006 to 2nd February 2008: Management Trainee (Chemical), Brahmaputra Valley Fertilizer Corporation Limited

Research Interest

Experimental and Computational Fluid Dynamics

Microfluidics

Complex Fluids

Publications

Journals

- **Bhaskar Jyoti Medhi**, Mallela Mallikarjuna Reddy and Anugrah Singh. Particle migration of concentrated suspension flow in bifurcating channels. **Advanced Powder Technology**, 30(9) 1897-1909,(2019)
- **Bhaskar Jyoti Medhi**, Anugrah Singh, Ashish Kumar Thokchom and Sadhan Mahapatra .Experimental and computational study on flow over stepped spillway. **Journal of Mechanical Science and Technology**, 33(5),2101-2112, (2019).
- **Bhaskar Jyoti Medhi**, Vipin Agrawal and Anugrah Singh.Experimental investigation of particle migration in suspension flow through bifurcating micro channels. **AIChE Journal** (64) 2293-2307, (2018).
- Ayyaz Siddique, **Bhaskar Jyoti Medhi**, Amit Agrawal, Anugrah Singh and Sandip K Saha. Design of a collector shape for uniform flow distribution in micro channels. **Journal of Micromechanics and Microengineering**, (20), 075026- 075036,(2017).
- Ashok Kumar, **Bhaskar Jyoti Medhi**, and Anugrah Singh. Experimental Investigation of interface deformation in free surface of concentrated suspension. **Physics of Fluids**, (28),113302, (2016).
- **Bhaskar Jyoti Medhi**, A.Ashok Kumar and ,Anugrah Singh. Apparent wall slip velocity measurements in free surface flow of concentrated suspensions. **International Journal of Multiphase Flow**,37 (6) ,609-619, (2011).

Conference Paper

- **Bhaskar Jyoti Medhi**, Vipin Agrawal and Anugrah Singh .Experimental study of suspensions flow in symmetric bifurcation Channels (poster Presentation). **CompFlu-2016**; IISER Pune (India), January 2-4 (2016)
- **Bhaskar Jyoti Medhi** , Vipin Agrawal and Anugrah Singh .Flow of concentrated suspensions in bifurcating open channel (oral presentation). **CHEMCON 2015**; 68th Annual Session of the Indian Institute of Chemical Engineers, Guwahati (India), December 27-30 (2015).
- **Bhaskar Jyoti Medhi**, Sadhan Mahapatra, Ashish Kumar Thokchom and Anugrah Singh .Dynamics of free surface flow of non- colloidal suspensions in stepped channel (oral presentation). 8th International Conference on Multiphase Flow ,**ICMF 2013**; Jeju, South Korea, May 26-31 (2013).
- A.Ashok Kumar, **BhaskarJyoti Medhi** and Anugrah Singh.Determination of the interface location in free surface flow of concentrated suspensions (oral presentation). Proceeding of the 37th international & 4th national conference on Fluid mechanics and Fluid Power **FMFP 2010**; Indian Institute of Technology (IIT) Madras (India), December 16-18 (2010)
- **Bhaskar Jyoti Medhi**, A.Ashok Kumar and Anugrah Singh. Measurement of apparent wall slip velocity in concentrated suspension of non- colloidal particles in open channel flow(oral presentation).7th International Conference on Multiphase Flow **ICMF 2010** ; Tampa, Florida, May 30- June 4 (2010).

Awards and Honours

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